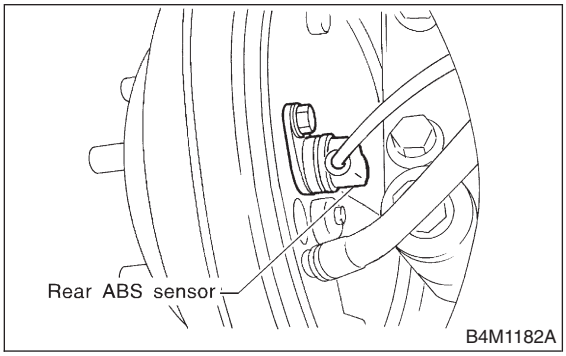
5. Rear ABS Sensor S401185

A: REMOVAL S401185A18

1) Remove rear seat and disconnect rear ABS sensor connector.
2) Remove rear sensor harness bracket from rear trailing link and bracket.
3) Remove rear ABS sensor from rear back plate.



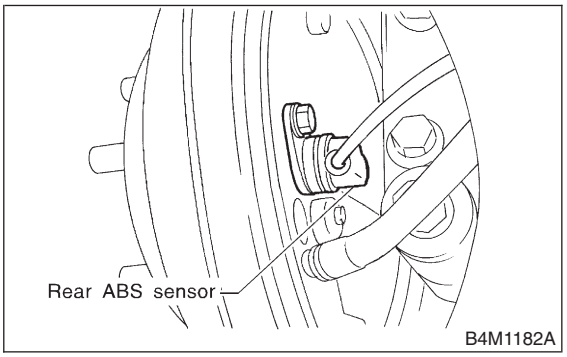
4) Remove rear tone wheel while removing hub from housing and hub assembly. <Ref. to DS-22 REMOVAL, Rear Axle.>

CAUTION:
● Be careful not to damage pole piece located at tip of the sensor and teeth faces during removal.
● Do not pull sensor harness during removal.

B: INSTALLATION S401185A11

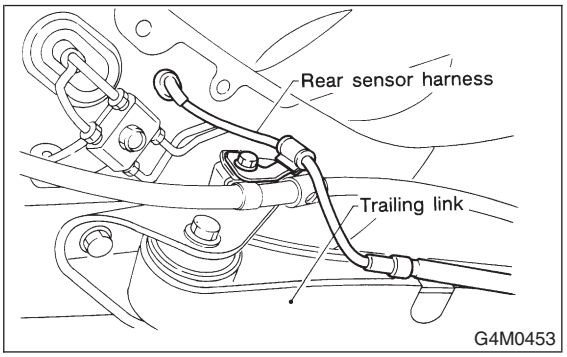
1) Install rear tone wheel on hub, then rear housing on hub. <Ref. to DS-28 ASSEMBLY, Rear Axle.>
2) Temporarily install rear ABS sensor on back plate.

CAUTION:
Be careful not to strike ABS sensor's pole piece and tone wheel's teeth against adjacent metal parts during installation.



3) Install rear drive shaft to rear housing and rear differential spindle. <Ref. to DS-25 INSTALLATION, Rear Axle.>
4) Install rear sensor harness on rear trailing link.

Tightening torque:
32 N·m (3.3 kgf-m, 24 ft-lb)



5) Place a thickness gauge between ABS sensor's pole piece and tone wheel's tooth face. After standard clearance is obtained over the entire perimeter, tighten ABS sensor on back plate to specified torque.

ABS sensor standard clearance:
0.7 — 1.2 mm (0.028 — 0.047 in)

Tightening torque:
32 N·m (3.3 kgf-m, 24 ft-lb)

CAUTION:
Check the marks on the harness to make sure that no distortion exists. (RH: white, LH: yellow)

NOTE:
If the clearance is outside specifications, readjust.

C: INSPECTION S401185A10

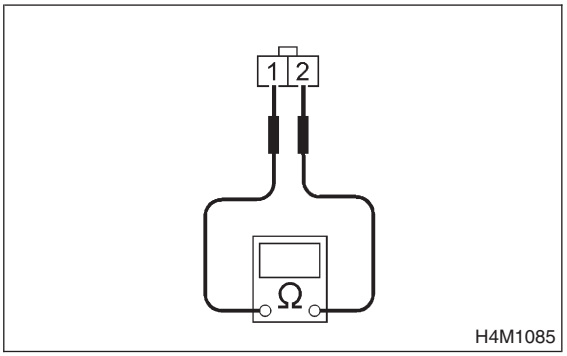
1. ABS SENSOR S401185A1001

1) Check pole piece of ABS sensor for foreign particles or damage. If necessary, clean pole piece or replace ABS sensor.
2) Measure ABS sensor resistance.

CAUTION:
If resistance is outside the standard value, replace ABS sensor with new one.

NOTE:
Check ABS sensor cable for discontinuity. If necessary, replace with a new one.

ABS sensor	Terminal No.	Standard
Front - LH	1 and 2	1.0±1.5 kΩ
Front - RH	1 and 2	
Rear - LH	1 and 2	1.0±0.2 kΩ
Rear - RH	1 and 2	

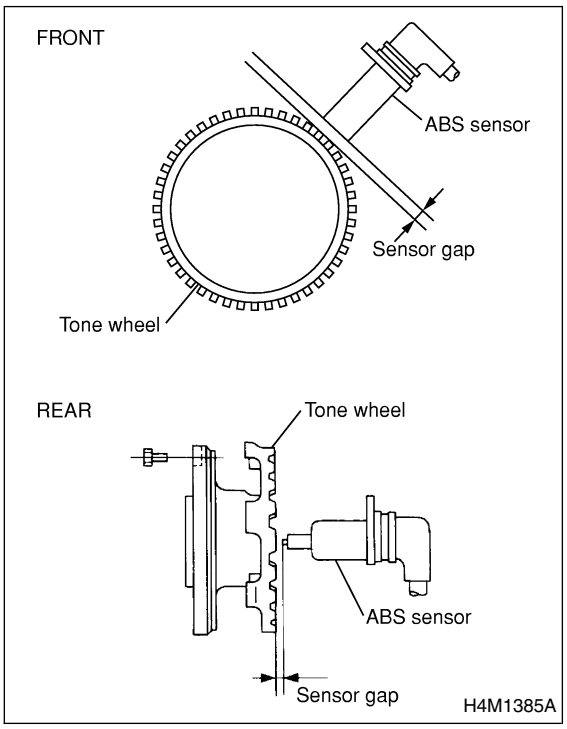


2. SENSOR GAP S401185A1002

1) Check tone wheel's teeth (44 pieces) for cracks or dents. If necessary, replace tone wheel with a new one.
2) Clearances (sensor gaps) should be measured one by one to ensure tone wheel and speed sensor are installed correctly.

NOTE:
● If clearance is narrow, adjust by using spacer (Part No. 26755AA000).
● If clearance is wide, check the outputted voltage then replace ABS sensor or tone wheel if the outputted voltage is outside the specification.

ABS sensor clearance:
Front
0.3 — 0.8 mm (0.012 — 0.031 in)
Rear
0.7 — 1.2 mm (0.028 — 0.047 in)



3. OUTPUT VOLTAGE S401185A1003

Output voltage can be checked by the following method. Install resistor and condenser, then rotate wheel about 2.75 km/h (2 MPH) or equivalent.

NOTE:
Regarding terminal No., please refer to item 1. ABS SENSOR.